

□ Abstract of the Disclosure:

Abstract

A mechanism for automatically dispensing pre-measured quantities of animal feed, in the form of hay, pellets and/or food supplements and medication to livestock at predetermined times of the day. The mechanism consists of an enclosure, with multiple internal shelves, which are hinged at one side and held in a horizontal position by a latching device at the other side. A timing device and logic counting/sequencing circuit controls the operation of the latching solenoids to allow each of the shelves to drop (by gravity) allowing their content to fall through a chute to a feeding trough at the bottom of the enclosure. Power for the operation of the unit can be supplied by a solar cell recharging battery allowing the unit to operate without need for special wiring in remote areas. All food stored within the unit is enclosed and protected from environmental elements and vandal pilferage.

4.□ Drawing(s) (35USC 113) (Total Sheets 4)

- 1). Pictures of the original prototype horse feeder. (Figures A-1 to A-4)
- 2). Pictorial sketch of Horsefeeder. (Figure B-1)
- 3). Detailed sketch of latch mechanism. (Figure C-1)
- 4). Block Diagram of Selector Circuit. (Figure D-1)